

Are You Ready to Master Economics and Finance?

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Talk

Structure

Core

Tracks

Extra

Alumni

In a nutshell

Core

21 credits: 3 advanced courses

Tracks

30 credits: 5 out of 6–7 courses

Electives

42–54 credits: *all* courses available across tracks

Off-electives

0–12 credits: any Master's course at Charles University, including electives

Thesis

15 credits: 2 thesis seminars

Core (Fall, Year 1)

Advanced Microeconomics

- ▶ rigorous treatment of decision-making under uncertainty and risk
- ▶ asset-pricing microfoundations: markets with state-contingent commodities
- ▶ general equilibrium

Advanced Macroeconomics

- ▶ micro-based modeling of long-term growth and short-term fluctuations
- ▶ policy issues: monetary policy and unemployment

Advanced Econometrics

- ▶ parametric and semiparametric estimation
- ▶ endogeneity and instrumental variables
- ▶ panel data, discrete choice

Track 1: Theory and Modeling

- ▶ Main skills: advanced macroeconomic modeling
- ▶ Placements: central bank, Ministry of Finance, banks, large firms, academia
- ▶ 5 courses out of 6
 - ▶ Macro: Mathematical Methods, New Keynesian DSGE Modeling, Business Cycles Theory, Topics in Macroeconomics
 - ▶ Theory: Game Theory
 - ▶ Statistics: Matematická statistika
- ▶ Recommended
 - ▶ central banks: Applied Econometrics, Monetary Economics, International Macroeconomics and Finance, Data Science with R
 - ▶ international business and finance: International Macroeconomics and Finance, Financial Markets, Introduction to International Investment Protection, International Commercial Dispute Resolution
 - ▶ policies: European Economic Policies, International Macroeconomics and Finance, Monetary Economics, Banking and Financial Regulation, Antitrust Economics, Public Economics

Track 2: Finance, Financial Markets, and Banking

- ▶ Main skills: advanced financial modeling, both at company and industry-level
- ▶ Placements: banks, consultancies, Big 4, financial industry, big companies
- ▶ 5 courses out of 7
 - ▶ Finance: Financial Econometrics I, Asset Pricing
 - ▶ Financial markets: Financial Markets, Financial Market Instruments I,II
 - ▶ Banking: Banking, Microeconomics of Banking
- ▶ Highly relevant electives
 - ▶ banks: Bank Asset and Liability Management, Banking and Financial Regulation
 - ▶ data analysis: Data Processing in Python, Data Science in R, Bayesian Data Analysis, Applied Econometrics
 - ▶ financial analysis: Financial Modeling Using MS Excel and VBA, Company Valuation, Corporate Finance, Private Equity
 - ▶ accounting and tax: Účetní a daňové poradenství, Účetnictví cenných papírů
 - ▶ health: Health Economics, Health Econometrics, Applied Microeconomics
 - ▶ energy industry, environment: Energy Economics and Markets, Environmental Economics
 - ▶ public policy, public finance: Public Economics, Applied Microeconomics
 - ▶ real estate: Real Estate Valuation
 - ▶ legal environment and regulation: Právo obchodních společností, Corporate Governance, Právo finančních služeb, Banking and Financial Regulation, Antitrust Economics

- ▶ Visiting Professors
 - ▶ **Financial Crisis and Risk Management** (Tsomocos, Oxford)
 - ▶ **Introduction to Health Economics** (Stavrunova, U of Technology Sydney)
 - ▶ **Introduction to Market Design** (Kastl, Princeton)
 - ▶ **Traditional and Alternative Risk Transfer in the Insurance Sector** (Pompella, Siena)
- ▶ Study abroad
 - ▶ **Departments of Economics and Finance** at our partner Universities (Bocconi, Amsterdam, Maastricht, Louvain/KU Leuven, Frankfurt, HU Berlin, Mannheim, Toulouse, Sorbonne, Aarhus, Australian National University)
 - ▶ **Departments of Finance** at our partner Business Schools (Peking University HSBC, ICHEC Brussels, ESCE Paris, IESEG Lille, Montpellier, Durham, Limerick, Umea); with options to take extra accounting, business, management, and quantitative marketing courses

Extra offers

- ▶ **Corporate Strategy and Finance in Europe**
 - ▶ a double degree with Sciences Po Strasbourg (grandes école)
 - ▶ about 3 students can transfer every year
- ▶ **Mathematical and Physics Faculty**
 - ▶ Financial Mathematics
 - ▶ Life Insurance
- ▶ **Visiting Master's at CERGE-EI**
 - ▶ core courses taken in parallel at CERGE-EI
 - ▶ all courses are recognized at IES

A Year After (June 2016 graduates, response rate 78%)

Hoxha Mimi	Accountant	AVANT Communications Inc, Chicago
Ozturk Durmus	Actuarial Analyst, Risk Modeller	Aon Benfield
Dopita Jiří	Analyst	Verdi Capital Group
Thoma Richard	Analyst, Business Intelligence	Hypoteční banka
Smotlachová Eva	Assistant, Transfer Pricing	KPMG
Hawi André	Assurance Associate	PwC
Bečvaříková Vendula	Audit Assistant	Mazars
Burianová Markéta	Audit Assistant	EY
Chudá Tatiana	Audit Associate	PwC
Král Tomáš	Banking Book Risk Analyst	Erste Group, Vienna
Černý Kryštof	Business Analyst / Developer, Risk & Analytics IT	Barclays Investment Bank
Pižl Vojtěch	Consultant, Financial Risk Modeling	PwC
Bláhová Pavla	Credit Risk Advisor	ČSOB
Klepetko Tomáš	Credit Risk Management	ČSOB
Dobiáš Adam	Data Analyst	Dateio
Sentivany Daniel	Data Mining Specialist	Creditinfo Solutions
Hečimović Emir	Financial Analyst	NSoft
Kadlecová Pavlína	Forensic Services Department	PwC
Vopat Daniel	Investment Analyst	I.C.P. Capital Partners
Bechný Jakub	PhD Candidate	MU
Jonášová Júlía	PhD Candidate	IES
Smutná Šarlota	PhD Candidate	IES
Vraná Veronika	PhD Candidate	CERGE-EI
Žáček Jan	PhD Candidate, Expert Analyst	IES, Úřad vlády ČR
Šoltés Michal	PhD Candidate, Chief Economist	CERGE-EI, Roklen
Nevrla Matěj	PhD Candidate, Junior Researcher	IES
Palanský Miroslav	PhD Candidate, Junior Researcher	IES
Kotek Martin	PhD Candidate, Risk Analyst Intern	CERGE-EI, Home Credit International
Čábelová Kateřina	Risk Analyst	Raiffeisenbank
Kocholová Soňa	Risk Models Specialist	ČSOB
Brandejs David	Senior Auditor	KPMG
Kireichenko Kateryna	Senior Customer Master Specialist	Honeywell
Kondratenko Ivan	Trade Specialist	Lukoil, Accounting and Finance Europe